

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	562	250/200.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:16
S2	4390	250/458.1,459.1,461.1,552,553,253.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:17
S3	362	250/458.1,459.1,461.1,552,553,253.ccls. and (modulat\$3 with (frequency amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:17
S4	7252	(hous\$3 chamber) and fluor\$7 and (modulat\$3 with (frequency amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:18
S5	1822	(hous\$3 chamber) and fluor\$7 and (modulat\$3 with (frequency amplitude)) and leak\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:18

S6	300	(hous\$3 chamber) and fluor\$7 and (modulat\$3 with (frequency amplitude)) and leak\$3 and (lens same collimat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:19
S7	395	fluor\$7 and (modulat\$3 with (frequency amplitude)) and leak\$3 and (lens same collimat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:21
S8	3	"362"/\$.ccls. and fluor\$7 and (modulat\$3 with (frequency amplitude)) and leak\$3 and (lens same collimat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:21
S9	67	"250"/\$.ccls. and fluor\$7 and (modulat\$3 with (frequency amplitude)) and leak\$3 and (lens same collimat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:22
S10	4612	356/317,311,319,323,416,417,419,420,425.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:22
S11	1737	356/317,311,319,323,416,417,419,420,425.ccls. and fluor\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:22

S12	215	356/317,311,319,323,416,417,419,420,425.ccls. and fluor\$7 and (modulat\$3 with (frequency amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:23
S13	28	356/317,311,319,323,416,417,419,420,425.ccls. and fluor\$7 and (under\$1water (under near2 water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:23
S14	37956	fluor\$7 and (under\$1water (under near2 water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:23
S15	480	fluor\$7 and (under\$1water (under near2 water)) and (modulat\$3 with (frequency amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/16 15:24
S16	28	("6372895" "4771629" "03023379" "3666945" "4005605" "3996476" "4496839" "6157033" "20050174793" "3554653" "5947051").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/01 09:19
S17	28	("6372895" "4771629" "03023379" "3666945" "4005605" "3996476" "4496839" "6157033" "20050174793" "3554653" "5947051").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:21

S18	5	("4983846" "4115701").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:25
S19	1803	fluor\$7 and (modulat\$3 with (frequency amplitude)) and (collimat\$3 near3 (lens optic\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:40
S20	1582	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:41
S21	303	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$2)) and (beam\$1 with overlap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:43
S22	143	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$2)) and (beam\$1 with overlap\$4) and ((spectral near3 analysis) spectroscopy (spectro\$1chemical near2 analysis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:49
S23	137	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$1)) and (beam\$1 with overlap\$4) and ((spectral near3 analysis) spectroscopy (spectro\$1chemical near2 analysis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 16:57

S24	251	("3532037"   "3549239"   "3556079"   "3710798"   "3769963"   "3821510"   "3905703"   "3906953"   "3961621"   "3961841"   "4058114"   "4091814"   "4141362"   "4171159"   "4336809"   "4420260"   "4545390"   "4554929"   "4596466"   "4612938"   "4619274"   "4638800"   "4648892"   "4652129"   "4669465"   "4669467"   "4718417"   "4721117"   "4748986"   "4796994"   "4819632"   "4834102"   "4844062"   "4873989"   "4887606"   "4899733"   "4900314"   "4913142"   "4928005"   "4958930"   "4969736"   "5005584"   "5032722"   "5034613"   "5053033"   "5094534"   "5104392"   "5106387"   "5110211"   "5114403"   "5133598"   "5155549"   "5157457"   "5196004"   "5197470"   "5201317"   "5202745"   "5217456"   "5251198"   "5257991"   "5268738"   "5268741"   "5291267"   "5303026"   "5305759"   "5318024"   "5321501"   "5325177"   "5343543"   "5354294"   "5365335"   "5366456"   "5370649"   "5383467"   "5390023"   "5401270"   "5421337"   "5421339"   "5428699"   "5434669"   "5439000"   "5459570"   "5465147"   "5490521"   "5495541"   "5501226"   "5501599"   "5509917"   "5537499"   "5555087"   "5562100"   "5562657"   "5570182"   "5571099"   "5589938"   "5601087"   "5612540"   "5623932"   "5697373"   "5699795"   "5715825"   "5748598"   "5752518"   "5762613"   "5772657"   "5784352"   "5787890"   "5815611"   "5921926"   "6111645"   "6134003"   "6160826").PN. OR ("6485413").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 17:01
S25	67	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$1)) and (beam\$1 with overlap\$4) and ((spectral near3 analysis) spectroscopy (spectro\$1chemical near2 analysis)) and ((material specimen object) with remot \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 17:02

S26	20	("20020071625"   "20040033006"   "20040181148"   "4454547"   "5209117"   "5231286"   "5715337"   "5727098"   "6046720"   "6097528"   "6169281"   "6289144"   "6294775"   "6441359"   "6485413"   "6549801"   "6563105"   "6563998"   "6882429"   "7023558").PN. OR ("7555333").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 17:32
S27	6	("20040073087"   "20050025368"   "6485413"   "6607489"   "7435217"   "7448995").PN. OR ("7534205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 17:33
S28	28	("5194912"   "5377003"   "5377004"   "5394499"   "5442438"   "5493443"   "5528393"   "5623342"   "5689333"   "5710626"   "5784162"   "5862273"   "5866430"   "5901261"   "5911017"   "5943122"   "5974211"   "6002476"   "6006001"   "6088100"   "6091872"   "6222970"   "6483641"   "6485413"   "6571117"   "6690466"   "6697665"   "7335898").PN. OR ("7465911").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/29 17:34
S29	2	"4771629".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/31 09:10
S30	295	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$1)) and (beam\$1 with overlap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:21
S31	21	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$1)) same (beam\$1 with overlap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:22

S32	0	fluor\$7 and (modulat\$3 with (frequency)) and (collimat\$3 near3 (lens optic\$1)) same (beam\$1 with overlap\$4) and diverg\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:23
S33	18	fluor\$7 and (collimat\$3 near3 (lens optic\$1)) same (beam\$1 with overlap\$4) and diverg\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:23
S34	231	(collimat\$3 near3 (lens optic\$1)) same (beam\$1 with overlap\$4) and diverg\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:35
S35	8599	(collimat\$3 near3 (lens optic\$1)) same diverg\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:36
S36	224	(collimat\$3 near3 (lens optic\$1)) same (spread\$3 diverg\$3) same overlap\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:36
S37	224	(collimat\$3 near3 (lens optic\$1)) same (un\$1focus\$3 spread\$3 diverg\$3) same overlap\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:43

S38	67	(collimat\$3 near3 (lens optic\$1)) same ((un\$1focus\$3 spread\$3 diverg\$3) not focus\$3) same overlap\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 16:44
S39	4040	250/226,559.42,559.4,559.43.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 11:04
S40	17	250/226,559.42,559.4,559.43.ccls. and (diverg\$3 and collimat\$3) near3 (lens optic\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 11:05
S41	13	fluorometer and (diverg\$3 and collimat\$3) near3 (lens optic\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 11:23
S42	1018	fluor\$7 and (diverg\$3 and collimat\$3) near3 (lens optic\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 11:23
S43	42	("2971429"   "3068739"   "3510648"   "3854050"   "3918812"   "3941477"   "4031399"   "4055768"   "4153675"   "4293225"   "4295199"   "4447546").PN. OR ("4577110").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 11:28
S44	30	("3666945"   "3810696"   "3825762"   "3832555"   "3845309"   "3975098"   "4178512"   "4198567").PN. OR ("4293225").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 11:29

S45	38	("2139797"   "2971429"   "3068739"   "3510648"   "3690773"   "3854050"   "3918812"   "3941477"   "3990795"   "4031399"   "4055768"   "4153675"   "4197458"   "4221485"   "4293225"   "4295199"   "4447546"   "4577110"   "4644154"   "4746179"   "4753530"   "5155046"   "5221958").PN. OR ("5557415"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 11:33
S46	515	fluor\$7 and (diverg\$3 and collimat\$3) near3 (lens optic\$2) and (modulat\$3 control\$4 adjust\$3 vary\$3 variation) near4 ((light near2 (emit\$4 source)) laser (excitation near2 source))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 11:41
S47	4	("20080013085"   "3935463"   "4577110"   "5974210").PN. OR ("7477376").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 11:46
S48	21	("3443095"   "3497690"   "3501639").PN. OR ("3666945"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:37
S49	15	("3200254"   "3501639"   "3663814"   "3666945").PN. OR ("3839639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:39
S50	22	("3043908"   "3839639"   "3899213"   "4006360"   "4116045"   "4290043"   "4573796"   "4814614"   "5007285"   "5097135"   "5102625"   "5208465"   "5281826").PN. OR ("5461236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:41
S51	29	("2987620"   "3043908"   "3663814"   "3666945"   "3736428"   "3886363"   "4236071"   "Re25320").PN. OR ("4365153").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:43
S52	27	("2263108"   "2490642"   "2852693"   "3151204"   "3394263"   "3493304"   "3500046"   "3566114"   "3650400"   "3666945"   "3842270"   "3933654"   "3965920"   "4064054"   "4103167"   "4400274"   "4554074").PN. OR ("4943370").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:45

S53	42	("3666945"   "4084905"   "4178512"   "4293225"   "4650336"   "4698308"   "4730922"   "4786813"   "4802768"   "4804849"   "4804850"   "4840485"   "4942303"   "5075714"   "5107292"   "5130738"   "5159381"   "5180953"   "5184171"   "5187410"   "5323008"   "5426306"   "5818582").PN. OR ("6121053"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 12:58
S54	24	("3546456"   "3736428"   "3899213"   "3961187"   "4178512"   "4293225").PN. OR ("4394573").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:00
S55	24	("3546456"   "3736428"   "3899213"   "3961187"   "4178512"   "4293225").PN. OR ("4394573").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:05
S56	22	("3546456"   "3736428"   "3783284"   "3899213"   "3961187"   "4057721"   "4178512"   "4293225").PN. OR ("4434364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:05
S57	4	("4293225"   "4399703"   "4950908"   "4972070").PN. OR ("5521376").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:07
S58	38	("2139797"   "2971429"   "3068739"   "3510648"   "3690773"   "3854050"   "3918812"   "3941477"   "3990795"   "4031399"   "4055768"   "4153675"   "4197458"   "4221485"   "4293225"   "4295199"   "4447546"   "4577110"   "4644154"   "4746179"   "4753530"   "5155046"   "5221958").PN. OR ("5557415"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:07
S59	1	"4178512".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 13:54
S60	18	("3043908"   "3501639"   "3899213"   "4200801"   "4794260"   "5034615"   "5140416").PN. OR ("5281826"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 14:10
S61	23	("4084905"   "4394573"   "4458518"   "4553033"   "4707747"   "4767206"   "4791056"   "4804849"   "5059790"   "5242869"   "5414258"   "5532498"   "5680110"   "5689110"   "5917534"   "5932860"   "6097084"   "6348965"   "6608675"   "6611000"   "6977729"   "7038191"   "7198755").PN. OR ("7416701"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 14:34

S62	6	("4394573"   "4804849"   "5059790").PN. OR ("7198755").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/02 14:34
S63	24	fluorometer and ((collimat\$3) near3 (lens optic\$2)) and (diverg\$3 near3 beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 14:45
S64	1323	fluor\$7 and ((collimat\$3) near3 (lens optic\$2)) and (diverg\$3 near3 beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 15:17
S65	566	fluor\$7 and ((collimat\$3) near3 (lens optic\$2)) and (diverg\$3 near3 beam) and ((light near3 emit\$4 near2 diode) LED)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 15:18
S66	76	fluor\$7 and ((collimat\$3) near3 (lens optic\$2)) and (diverg\$3 near3 beam) and ((light near3 emit\$4 near2 diode) LED) and ((under near2 water) under\$1water (pipe near2 line) pipe \$1line (oil same water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 16:00
S67	2	"6858846".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/04 10:06

S68	28	(US-20080203332-\$ or US-20050168735-\$ or US-20020148982-\$).did. or (US-4434364-\$ or US-5713364-\$ or US-3666945-\$ or US-6372895-\$ or US-4983846-\$ or US-6485413-\$ or US-7555333-\$ or US-7534205-\$ or US-7465911-\$ or US-4771629-\$ or US-4577110-\$ or US-4293225-\$ or US-5557415-\$ or US-6055451-\$ or US-4197458-\$ or US-3839639-\$ or US-4365153-\$ or US-4394573-\$ or US-5521376-\$ or US-4290043-\$ or US-5281826-\$ or US-7198755-\$ or US-7416701-\$ or US-6142650-\$ or US-6858846-\$).did.	US-PGPUB; USPAT	OR	ON	2010/01/04 10:54
S69	5	S68 and (modulat\$3 puls\$3) with (frequency and amplitude)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/04 10:54
S70	5	S68 and (modulat\$3 puls\$3) with (amplitude) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/04 11:29
S71	5	"4005605".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/04 14:01
S72	22	("3555532"   "3561846"   "3819938"   "3892974").PN. OR ("3996476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 14:11
S73	9	("3761184"   "3774039"   "3996476").PN. OR ("4115701").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 14:14
S74	77	("2761072"   "3091693"   "3272013"   "3392282"   "3761713"   "3916690"   "3924469").PN. OR ("4005605").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 14:20
S75	1	"5947051".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 15:37

S76	54	(fluorometer) and (distance same meter\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 15:39
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EAST Search History (Interference)

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1/ 5/ 2010 10:27:39 AM  
C:\ Documents and Settings\jbennett\ My Documents\ EAST\ Workspaces\ 10591611.wsp